GOTRAX

AEROLUXESO

ELECTRIC BIKE

USER MANUAL

Contents

Congratulations on your purchase!

This user manual will help you assemble and operate your new electric bicycle. Be sure to read **ALL OF THE INFORMATION** in this manual before riding.

NOTE TO ALL RIDERS UNDER THE AGE OF 18:
It's very important that you get parental permission before riding your electric bicycle.

TOOLS INCLUDED: 3mm, 4mm, 5mm, 6mm Allen wrech, 13mm&15mm open-end wrench, Flat Head & Phillips dual-purpose Screwdrive.

Don't Ride Until You Read This:

ALWAYS wear a helmet when riding your electric bike.

Make sure your electric bike has a **full battery** before taking it out to ride.

Always be aware of local road laws, and follow them.

Do not ride the bike under the influence of drugs or alcohol.

Always respect pedestrians.

Do not ride under wet conditions. The electric bike may slide from under your feet causing injury. Wet conditions may damage the electronics and void the warranty.

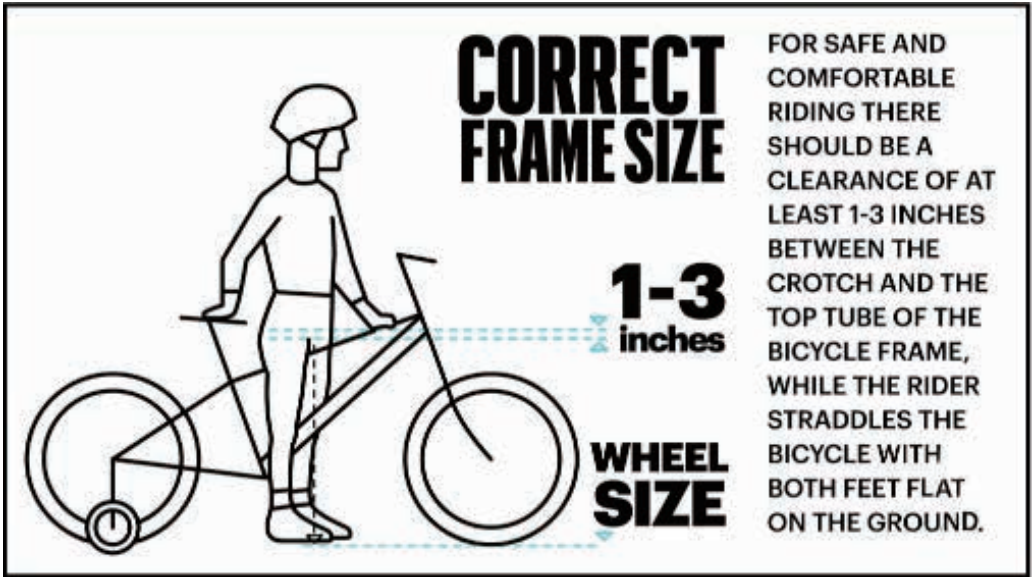
To conserve electricity, use assist mode and avoid zero starting, frequent braking, driving against the wind, carrying heavy loads including other people and riding with insufficient air pressure.

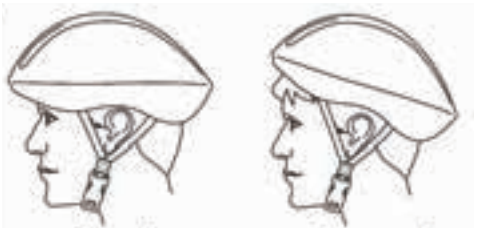
WARNING: Lithium-ion Batteries and/or products that contain Lithium-ion Batteries can expose you to chemicals including cobalt lithium nickel oxide, and nickel, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov

Warning Message

1. **Avoid water -**The electric bike is not waterproof. The electronics may be damaged due to water and water damage is not covered by our warranty. Riding in wet conditions is also very dangerous and may result in injury.
2. **Avoid prolonged exposure** to sun or rain and avoid storage in places with high temperatures or corrosive gas.
3. **Whenever you ride** the **GOTRAX** Electric Bike ,you risk severe injury or even death from loss of control, collisions, and falls. Use caution and ride at your own risk.
4. **Do not modify** the product from the manufacturers original design.
5. **Do not exceed** the posted speed limit and obey all traffic laws.
6. **Avoid touching** the charging port directly and do not let it make contact with a metal object.
7. **Keep hands and all body parts away** from moving parts while operating the electric bike.
8. **Before riding -** be sure to check the electric bike over and make sure all components and function are operating correctly before each use.
9. **Before riding -** be sure to check that the braking system is functioning properly; also be sure to check that all safety labels are in place and you understand the safety warnings.
10. **Before riding -** be sure that any and all axle guards, chain guards, or other covers or guards supplied by the manufacturer are in place and in serviceable condition.
11. **Before riding -** be sure to check that the tires are in good condition, inflated properly, and have sufficent tread remaining.
12. **Never exceed** the 264lbs (120 kg) maximum load rating.
13. **The electric bike should never** be used by children under the age of 16.
14. **Maximum Speed -**Your electric bike accelerates to a maximum speed of 20 mph.

15. **Make note that additional insurance may be required** to cover situations you encounter while riding an electric bike. It is recommended that you contact an insurance company or broker for advice and consultation.
16. **To conserve electricity,** use assist mode and avoid zero starting, frequent braking, driving against the wind, carrying heavy loads including other people and riding with insufficient air pressure.





Correct
Forehead covered

Incorrect
Forehead exposed

ALWAYS WEAR A HELMETIT COULD SAVE YOUR LIFE!

A properly fitting, CPSC approved, bicycle helmet should be worn at all times when riding your bicycle. In addition, if you are carrying a passenger (only use an approved child safety seat), and remember, the passenger must also be wearing a helmet.

The correct helmet should:
-be comfortable
-be lightweight
-have good ventilation
-fit correnctly
-cover the forehead
-be securely fastened on the rider.

FCC REGULATIONS This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the

following measures:
*Reorient or relocate the receiving antenna.
*Increase the separation between the equipment and receiver.
*Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
*Consult the dealer or an experienced radio/TV technician for help.

•Leave it indoor when charging or not riding.

•WARNING – Risk of Fire – No User Serviceable Parts.

•Not intended for use at elevations greater than 2000 m above sea level.

SAVE THESE INSTRUCTIONS

MOVING AND STORAGE INSTRUCTIONS

Prolonged Exposure to UV Rays, Rain and the Elements May Damage the Enclosure Materials, Store Indoors When Not in Use.

IMPORTANT SAFETY INSTRUCTIONS

WARNING - When using this product, basic precautions should always be followed, includingthe following:

a)Read all the instructions before using the product.

b)To reduce the risk of injury, close supervision is necessary when the product is used nearchildren.

c) Do not put fingers or hands into the product.

d) Do not use this product if the flexible power cord or output cable is frayed, has broken insu-lation, or any other signs of damage.

e)This equipment is not intended to be used at ambient temperatures less than 0°C (32°F) orabove ambient temperatures of 40°C(104F).

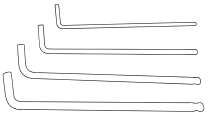
f)The battery is intended to be charged when the ambient temperature is between 0°C (32°F)and 40°C (104°F). Never charge the battery when ambient temperatures are outside thisrange.

g)Instructions are indicate that charging of the eBike shall only be performed with themanufacturer's recommended charger.

Unpacking and Product Specs

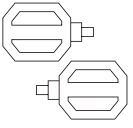
Remove all packaging material, then inspect each item for any accidental damage your box: that may have occurred during shipping. You should find each of item in you box:

Large wrench



Allen wrenches

Screwdriver



Pedal

Battery Charger

Battery Keys

rear reflector

ITEM	SPECIFICATIONS
Model	AEROLUXESO
Unfolded Dimensions	1900*780*1130mm(74.8*30.7*44.5 in)
Package Dimensions	1560*275*730mm(61.1*10.8*28.7 in)
Max Load	120kg(264lbs)
Max Speed	32km/h(20MPH)
Battery	36V 9.6Ah
Battery Specifications	Input 100-240V 50/60Hz AC Plug: Output 42V 2A
Pedal-Assist Range	60km(37miles)
Pure Electric Range	32km(20miles)
Max Angle of Climb	14 degrees
Charging Time	5hours
Tire Pressure	25-40 PSI
Bell/Horn Specifications	Bell
Seat	6061 Aluminum Alloy
IP Level	IPX4

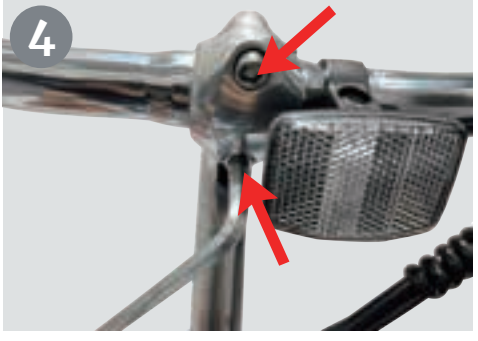
Get To Know Your E-Bike

Handlebar Assembly

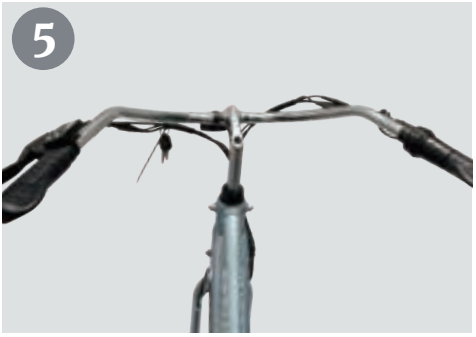
Put the handlebar riser into the front fork riser pipe according to the figure; The safety line of the handlebar riser should not be exposed outside the front fork bowl set.

Tighten the bolts at the top of the riser to secure it directly in front of the bike by 6mm hex tool;

After tightening the stem, pull the cover to fit headset ;



Loosen the opening tube and the handlebar fixing screw to adjust the handlebar to the riding angle Align the handlebar with the center position, tighten and fix the bolts on both sides of the handlebar riser by 6mm hex tool;

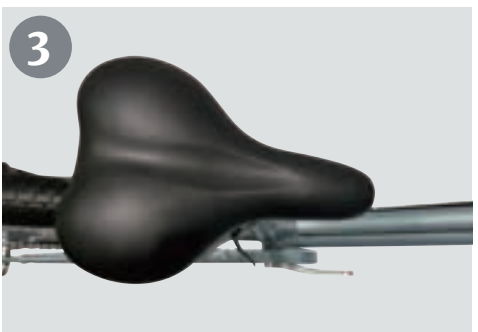


Check whether the handlebar is aligned with the front wheel. If not, repeat above steps to adjust;

Seat Assembly

Take the seat post and seat tube;

Loosen the seat clamp;



Insert seat post into seat tube, adjust position; Adjust the seat height. Clamp secure/tighten the quick release clamp.

Clamp secure/tighten the quick release clamp.

Rear Reflector Assembly

Take rear reflector and bolt out of tool box;

place rear reflector on the locking bolt of the seat tube and tighten it with the cross head screw-driver.

Pedals Assembly

Check the L-Left and R-Right pedal;

Take 15mm wrench out of toolbox;

Drive Side of Bike select R-Right pedal; Insert Pedal into Crank/Drive side and start to turn CLOCKWISE; Once hand tight apply 15mm wrench to pedal and tighten and secure.

NON Drive Side of Bike select L-Left pedal; Insert Pedal into Crank Arm/NON- Drive side and start to turn COUNTER CLOCKWISE; Once hand tight apply 15mm wrench to pedal and tighten and secure;

Front Wheel Assembly

Remove the shaft and the filler block from the front disc brake caliper； （NOTE: DO NOT THROW IT AWAY, YOU NEED TO REINSTALL THE PACKING BLOCK EACH TIME YOU REMOVE THE FRONT WHEEL.）

Remove the cover on the shaft; Position the front wheel so that it is centered between the front fork legs and the shaft is in the front fork rack； Align the disc brake of the front wheel set with the disc brake seat to mount the disc on the front fork； (Note： Two spacers on the on both sides of the front shaft shall be outside of hook PAWS)

Insert the shaft into place on the both side of the front fork and lock it with 15mm hex tool

Removing The Battery

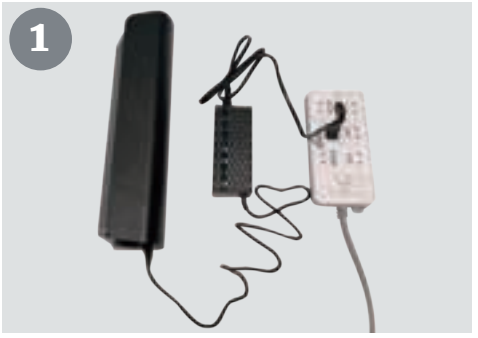
Rotate the key counterclockwise, and the battery will automatically pop out to the side.

Pull the battery out from the side with your hand, and lift it out from the top of the battery.

When pick out of the battery，please keep the battery cavity clean and avoid exposure to rain；

The removed battery can be charged separately, and the installation and storage of the battery is also particularly important when not in use;

Charging The Battery



Insert the output end of the charger into the battery and the input end into the power supply

Red light indicates that the battery is charging, and green light indicates that the battery is fully charged.

Charge Your E-Bike

You can also charge your battery installed in the bike using the exterior charging port.

1. Locate the charging port.
2. Plug one side of the charger into the charging port and plug the other into an outlet.
3. A red light indicates the battery is charging, green indicates the battery is full.
4. Charging Time: 5hours.

Tire Inflation Instructions

Tires and Tubes

After assembling your bike, it will be necessary to inflate the tires. Check the sidewall of the tire for the correct tire pressure (PSI) and inflate tires accordingly with a MANUAL BICYCLE PUMP. **Improper inflation is the biggest cause of tire failure. Due to the slightly porous nature of bicycle inner tubes, it is normal for your bike tires to lose pressure over time. For this reason it is critically important to maintain the proper tire inflation on your bike.**

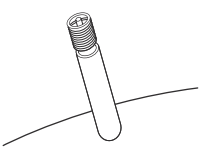
1. Your bicycle has been equipped with tires which the bike's manufacturer felt were the best balance of performance and value for the use for which the bike was intended. The tire size and pressure rating are marked on the sidewall of the tire. CAUTION: Pencil type automtive tire gauges and gas station air hose pressure settings can be inaccutate and should not be relied upon for consistent, accurate pressure readings. Instead, use a high quality dial gauge.

⚠ WARNING: NEVER INFLATE A TIRE BEYOND THE MAXIMUM PRESSURE MARKED ON THE TIRE'S SIDEWALL. EXCEEDING THE RECOMMENDED MAXIMUM PRESSURE MAY BLOW THE TIRE OFF THE RIM, WHICH COULD CAUSE DAMAGE TO THE BIKE AND INJURY TO THE RIDER AND OTHERS. THE BEST WAY TO INFLATE A BICYCLE TIRE TO THE CORRECT PRESSURE IS WITH A BICYCLE PUMP. NEVER USE A SERVICE STATION AIR HOSE TO INFLATE A BICYCLE TIRE. IT IS DESIGNED FOR LARGER TIRES AND IT CAN EXCEED THE RECOMMENDED MAXIMUM PRESSURE AND IT MAY BLOW THE TIRE OFF THE RIM.

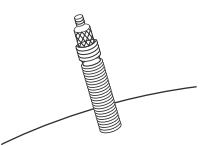
Tire pressure is given either as maximum pressure or as a pressure range. How a tire performs under different terrain or weather conditions depends largely on tire pressure. Inflation the tire to near its maximum recommended pressure gives the lowest rolling resistance; but also produces the harshest ride. High pressures work best on smooth, dry pavement. Very low pressuures, at the bottom of the recommmended pressure range, give the best performance on smooth, slick terrain such as hard-packed clay, and on deep, loose surfaces such as deep, dry sand. Tire pressure that is too low for your weight and the riding conditions can cause a puncture of the tube by allowing the tire to deform suffciently to pinch the inner tube between the rim and the riding surface.

Some special high-performance tires have unidirectional treads: their tread pattern is designed to work better in one direction than in the other. The sidewall marking of a unidirectional tire will have an arrow showing the correct rotation direction. If your bike has unidirectional tires, be sure that they are mounted to rotate in the correct direction.

2. The tire valve allows air to enter the tire's inner tube under pressure, but doesn't let it back out unless you want it to. There are primarily two kinds of bicycle tube valves: The Schraeder Valve and the Presta Valve. The bicycle pump you use must have the fitting appropriate to the valve stems on your bicycle. The Schraeder is like the valve on a car tire, this is the type of valve stem you should have on your bike. To inflate a Schraeder valve tube, remove the valve cap and push the air hose on you bike. To inflate a Schraeder valve tube, remove the valve cap and push the air hose or pump fitting onto the end of the valve stem. To let air out of a Schraeder valve, depress the pin on the end of the valve stem with the end of a key or other appropriate object.



Schraeder Valve



Presta Valve

Maintenance & Repair

Correct routine maintenance of your new bike will ensure a longer life for your bike and a safer ride for you.
Every time you ride your bike, its condition changes. The more you ride, the more frequently maintenance will be required. We recommend you spend a little time on regular maintenance tasks. The following schedules will assist you in knowing what tasks need to be performed and how often. **If you have any doubts about your abilities to accomplish these tasks, we recommend you task youe bike to a professional bicycle mechanic periodically to have them done.**

Schedule1 - Lubrication

Frequency	Component	Lubricant	How to Lubricate
Weekly	chain	chain lube or light oil	brush on or squirt
	derailleur wheels	chain lube or light oil	brush on or squirt
	derailleurs	oil	oil can
	brake calipers	oil	3 drops from oil can
	brake levers	oil	2 drops from oil can
Monthly	shift levers	lithium based grease	disassemble
Every Six Months	shift levers	oil	2 drops from oil can
	brake cables	lithium based grease	disassemble
Yearly	bottom braket	lithium based grease	bicycle mechanic
	pedals	lithium based grease	disassemble
	derailleur cables	lithium based grease	disassemble
	wheel bearings	lithium based grease	bicycle mechanic
	headset	lithium based grease	bicycle mechanic
	seat pillar	lithium based grease	disassemble

Note: The frequency of maintenance should increase with use in wet or dusty conditions. Do not over lubricate-remove excess bubricant to prevent dirt build up. Never use a degreaser to lubricate your chain (WD-40T™)

Schedule2 - Service Checklist

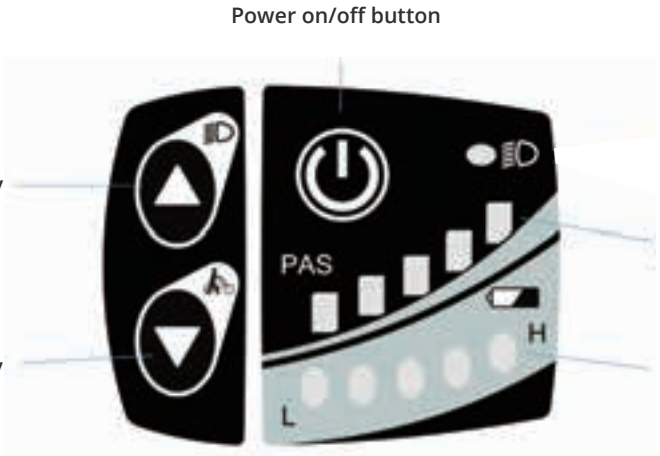
NOTE: Many instructions for adjustments can be found in the assembly portion of this manual.

Frequency	Task
Before every ride	check wheel and pedal tightness check tire pressure check brake operation check wheels for loose spokes, loose axle nuts or quick release make sure all fasteners are tightened securely
After every ride	quick wipe down with damp cloth
Weely	lubrication as per schedule 1
Monthly	lubrication as per schedule 1 check derailleur adjustment check brake adjustment check brake and gear cable adjustment check tire wear and pressure check wheels are true and spokes tight check hub, head set and crank bearings for looseness check pedals are tight check handlebars are tight check seat and seat post are tight and comfortably adjusted check frame and fork for trueness

	check all nuts and bolts are tight
Every six months	lubrication as per schedule 1 check all points as per monthly service check and replace brake pads, if required check chain for excess paly or wear
Yearly	lubrication as per schedule 1

NOTE: OWNERS ARE RESPONSIBLE FOR ALL MAINTENANCE AND SERVICE OF THE BICYCLE. FAILURE TO DO SO MAY VOID YOUR WARRANTY, CAUSE DAMAGE TO YOUR GOTRAX OR ITS COMPONENTS, AND MAY CAUSE AN ACCIDENT.

E-Bike Console Functions



Power on and off: Press the power button for 2-3 seconds to power on. In the power-on state, press and hold for 2-3 seconds to power off. The bike will automatically shut down after 10 minutes of inactivity.

Gear switching: There are five gears in total. The default is 0 when the machine is turned on, and there is no power output. Press the gear "+" or gear "-" button to adjust the gear up or down. (Power output will only be available when there is a gear state.)

Boost mode: When the power is on, press and hold the boost button for 2-3 seconds to activate the boost mode, the scooter will travel at an even speed of 6km/h (3.7mph). Braking, pressing the accelerator, switching gears, any of these operations will exit the boost mode.

Battery display: When the battery level has one bar left or flashes, it means the battery is low and needs to be charged in time.

Function Mode:

1. **Three Riding Modes:** Electric Assisted Mode, Pedal-Assisted Mode, Bicycle Mode.

2. **Throttle Assisted Mode:** When you turn the bike on, the assist level will be at 0. Press the up arrow (+) on the controller to increase the level of assist, use the down arrow (-)to reduce the level of assist. As you increase the level of assist, the speed of the bike will increase. Press the throttle level to engage the motor and move the bike.

3. **Pedal-Assist Mode:** When you turn the bike on, the assist level will be at level 0. Press the up arrow (+) on the controller to increase the level of assist, use the down arrow (-) to reduce the level of assist. As you increase the level of assist, the speed of the bike will increase. As you start to pedal, the motor will automatically engage. When you stop pedaling, the motor will automatically disengage.

4. **Bicycle Mode:** When riding in the off state or neutral, the motor has no power output.

How To Use The Transmission

A total of 7 speed gears, press the shifting finger to change the flywheel gear and adjust the riding speed.

(***Note:*** This operation is prohibited in the static state or non-pedal riding state)

Battery Information

Before using the charger locate the voltage selector switch (li-ion chargers only) on the back of the charger. Select either 115 volts or 230 volts depending on your country of residence. Using the wrong voltage setting will permanenty damage the charger and/or electrical components on the hybrid electric bicycle.

BATTERY ASSEMBLY

1. Use the matching charger.
2. Insert the round plug into the E-Bike first and then insert the charger plug into the electrical socket.
3. A red light indicates the battery is charging.
4. A green light indicates the battery is fully charged.
5. The Key lock position will vary from model to model.
6. The battery is removable, the battery can be charged attached to the E-Bike or pulled out and charged separately.

CHARGING THE BATTERY

1. When using the charger for the first time, carefully check whether the rated output voltage of the charger is consistent with the battery voltage and check whether the charger input voltage is consistent with the grid voltage.

2. When charging, first put the charger in a ventilated place, then insert the charger output plug into the charging port. Plug the electrical power plug into the 100-240V 50/60Hz AC Power Supply. Be sure to keep the input plug in contact with the AC outlet.

3. After charging, the input plug of the charger shall be pulled out first, and then the output plug connected with E-Bike shall be pulled out. Do not leave the charge plugged in.

PRECAUTIONS FOR BATTERY PROTECTION

1. Do not place anything on the battery and charger when charging, otherwise the charger may overheat and cause serious damage.
2. Only use the charger supplied by the original factory to charge the battery, if you use a different charger your battery will be disqualified from warranty.
3. You can charge your battery at any time if the battery loses power.
4. If you do not use or charge your battery for an extended period of time, battery performance will decrease. If you do not plan to ride your bike for an extended period of time it is recommended to plug in and charge the battery Insert Care/Maintenance section an extended period every 4-6 weeks.
5. Protection can make your battery maintain about 80% of its capacity after more than 500 cycles. But overall decline is inevitable.
6. If the battery remains in a status not charged a long time, it will lead to permanent loss of performance.
7. If you want to store your battery for an extended period, please store and discharge it in a cool and dry place.
8. Keep the temperature between 50-70 and avoid direct sunlight. Take the battery out for charging every 30 days.
9. Do not intentionally short-circuit the battery which will cause very serious damage and void the warranty.
10. Dispose of your batteries responsibly. Research local recycling regulations.
11. If you have questions about battery use, maintenance, or storage, please contact customer service.
12. Only use the battery supplied with this electronic bike.
13. Never charge a lithium battery unsupervised.

Troubleshooting Guidance

When the E-bike electric control system fails, the display will show the error codes, and only when the fault is removed can you exit the fault display program.
After the fault occurs, the E-bikes can't able to continue working.

Error Codes	Error Information	Common Problems
Gear 1 flickers	Current abnormal	There is a short circuit in the controller or motor
Gear 2 flickers	Throttle abnormal	Throttle not properly reset
Gear 3 flickers	Motor Phase missing	Motor phase line is loose or damaged
Gear 4 flickers	Motor Hall abnormal	Motor Hall wire is loose or commutation Hall is damaged
All gear lights flashing	Abnormal communication between display and controller	Connection cable loose, wrong sequence, mismatched protocol or damaged interface circuit

Warranty

Please contact our customer service team if you are experiencing problems or need more detailed information.

US team after-sales email: **support@gotrax.com**
CA team after-sales email: **canada@gotrax.com**

1. Users should operate in accordance with the product manual. In case of any performance fault caused by production quality, the company shall perform the obligations of the three guarantees in accordance with the provisions of relevant laws and regulations of the state.
2. The company is still responsible for the after-sales service of the faults beyond three guarantees and the major components in the three guarantees, but there will be a cost for repair.
3. If the battery replacement is over the warranty time, our company will supply the battery at factory price. To ensure safety, and avoid pollution.
4. We do not cover physical damage due to negligent care and extreme riding.

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#RideGOTRAX

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